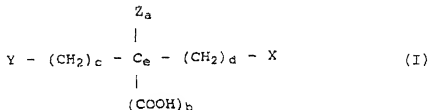


## ABSTRACT

A NOVEL BIODEGRADABLE LINEAR COPOLYMER, A COMPOSITION  
 5 COMPRISING IT, AND USES OF THE COPOLYMER AND  
 COMPOSITION

The object of the invention is a novel copolymer  
 10 comprising at least two identical or different  
 monomers, the formula of the monomer being as follows  
 (I):



in which:

15 a) when X and Y are identical or different, and  
 represent an acid, alcohol, amine or isocyanate group,

then at least two monomers have groups able to react  
 20 together when X and Y are identical, or at least one  
 monomer comprises groups able to react with each other  
 when X and Y are different, and

at least one of the monomers has the following  
 25 characteristics:

$$a \geq 1$$

$$b \geq 2$$

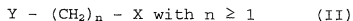
$$c + d \geq 0$$

$$e \geq 1$$

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and Z can be OH, COOH, an alkyl having 1 to 18 carbon atoms, or any other non-reactive group present during the polymerisation process,

10 the other monomers being of the same type or of the following formula (II):



15 b) at least one monomer of each type when X and Y are identical or different, as defined above, are combined so that the stoichiometry of the ratio X / Y, calculated so as to obtain a given molar mass and given extremities, permits an elongation of the carbon-  
20 containing chain.

The invention also relates to a composition comprising the copolymer and to uses of the copolymer and composition.

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